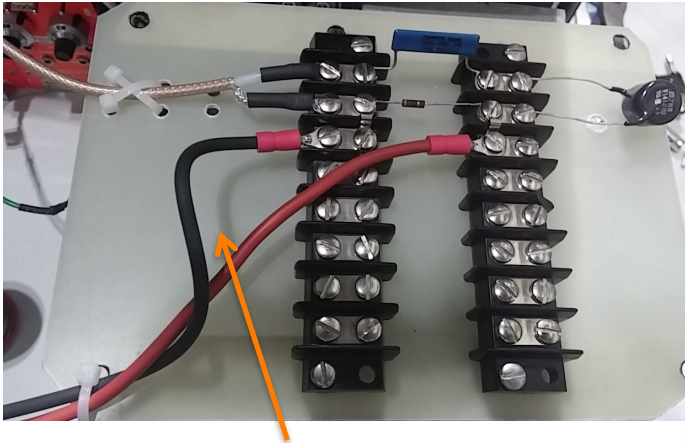


# Studying the hysteresis effect of varistor resistance in warm and cold

Jen, Linda, Gina, Anne

Tuesday, April 22

Tests done with the  
modified (stable!) setup

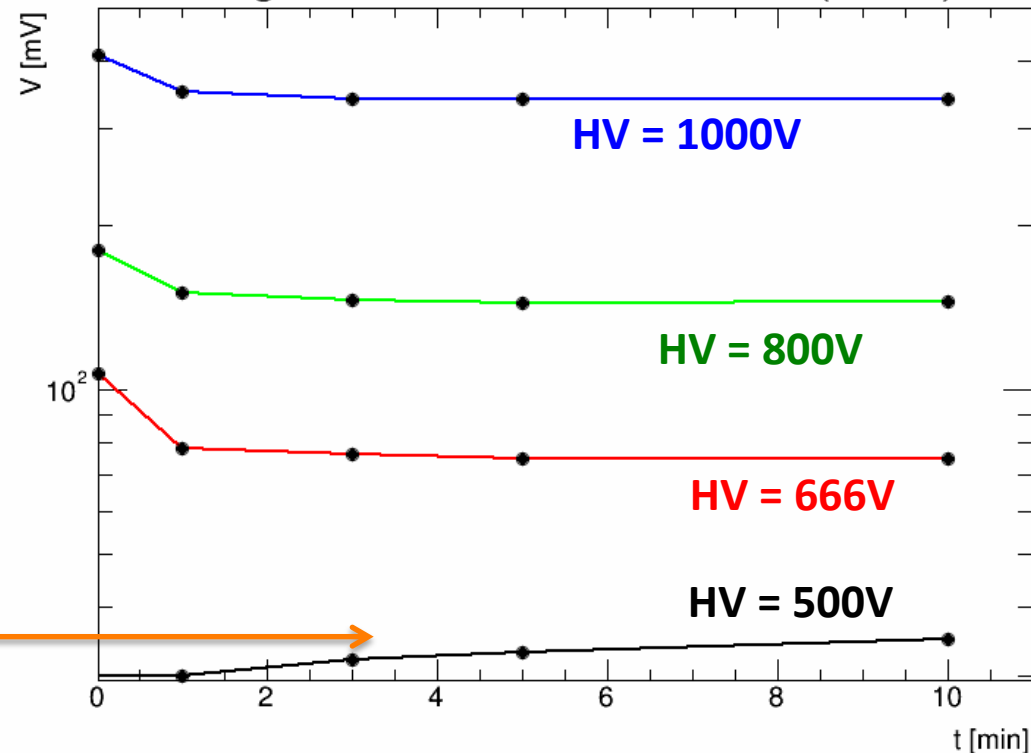


This cable has been replaced  
by a cryo coax cable

Voltage ramped up from 0 to HV  
-> Hysteresis effect, reproducible

Values seem to reach a plateau  
after ca. 5 – 10 min.

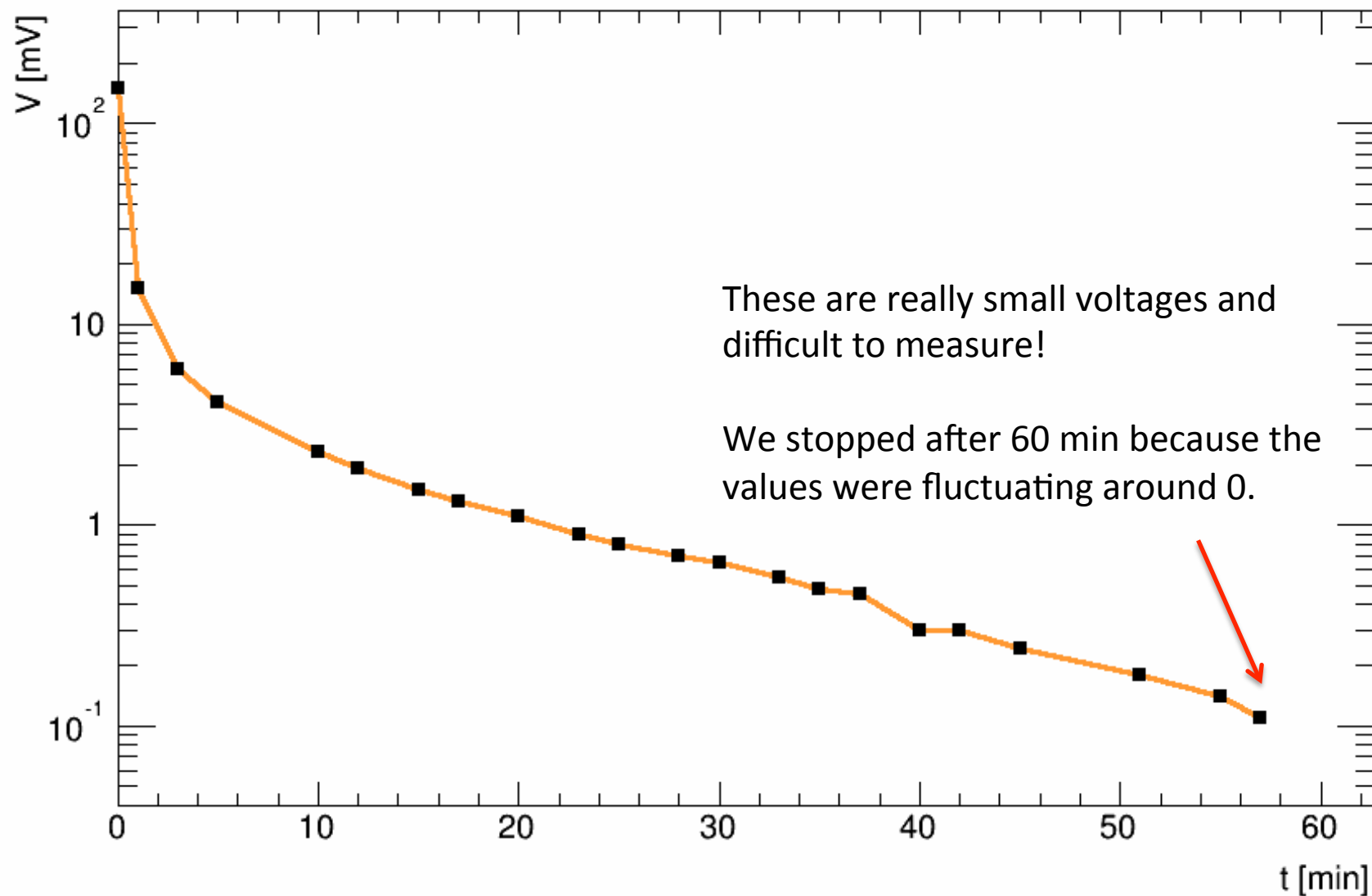
Voltage across 8.2 M  $\Omega$  resistor (warm)



Inverse behavior @ 500V?

**COLD**

## Voltage across 8.2M $\Omega$ resistor



# Translated to a varistor resistance **COLD**

Varistor resistance (cold)

